88888888888888888888888888888888888888	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	\$	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	
888 888 888 8888888888 8888888888888 888888		\$\$\$ \$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$		

BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	AAAAAA AA AA AA AA AA AA AA AA AA AA AAAAAA	\$	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	000000 00 00 00 00	\$
		\$			

Page

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11222222222233333333333344444444444455
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                                                                 0049
                                                                 0050
```

```
MODULE BASSPOS (
                 IDENT = '1-005'
                 ) =
```

! Find the position of a substring ! File: BASPOS.B32

BEGIN

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FACILITY: String support library

ABSTRACT: This module takes 2 input strings of any class and dtype and returns the position of the substring in the main string starting at an input position

ENVIRONMENT: User mode, AST level or not or mixed

AUTHOR: R. Will, CREATION DATE: 10-Mar-79

MODIFIED BY:

R. Will, 10-Mar-79 : VERSION 01

- original

1-002 - Fix bug with starting pos > searched string length. RW 14-Jul-79 1-003 - Correct a typo in edit 002. JBS 25-JUL-1979 1-004 - Make POS agree with DEC BASIC Standard Proposal. RW 23-Sept-79 1-005 - CALL STR\$ DELETE THIS MODULE WHEN COMPILER CALLS STR\$. RW 1-NOV-79

! <BLF/PAGE>

BAS\$POS 1-005	G 9 16-Sep-1984 00:58:36 VAX-11 Bliss-32 V4.0-742 Page 3 14-Sep-1984 11:56:26 [BASRTL.SRCJBASPOS.B32;1 (3)							
96 0188 97 0189 98 0190 100 0192 101 0193 102 0194 103 0195 104 0196 105 0197 106 0198 107 0199 108 0200 109 0201 110 0202	0190 1 START_POS ! value of position to start search							
	0193 1 !++ 0194 1 ! FUNCTIONAL DESCRIPTION: This routine takes two source strings of any 0195 1 ! dtype and class and finds the position of the substring in the 0196 1 ! source string starting at the input starting position. The routine 0197 1 ! returns the position of the substring in the source string.							
107	0198 1   0199 1   FORMAL PARAMETERS:							
108 0200 1 109 0201 1 110 0202 1 111 0203 1 112 0204 1 113 0205 1 114 0206 1	0201 1 SRC_DESC.rt.dx pointer to descriptor of string to be searched 0202 1 SUB_DESC.rt.dx pointer to descriptor of string to find 0203 1 START_POS.rl.v value of position in source to begin search							
	0205 1 IMPLICIT INPUTS: 0206 1   0207 1   NONE 0208 1   IMPLICIT OUTPUTS:							
116	0208 1 ! O209 1 ! IMPLICIT OUTPUTS:							
118 0210 1 119 0211 1 120 0212 1 121 0213 1 122 0214 1 123 0215 1 124 0216 1 125 0217 1 126 0218 1	0211 1 NONE							
	ÖŽÍŠ Í ! ROUTINE VÄLUE: OZI4 1 ! COMPLETION CODES:							
	0215 1 !							
	SIDE EFFECTS:							
128	0219 1 ! 0220 1 ! NONE							
129 0221 1 130 0222 1 131 0223 1 132 0224 2 133 0225 2 134 0226 2 135 0227 2 136 0228 2 137 0229 2	0222 i ! 0223 1							
	0224 2 BEGIN 0225 2 BEGIN							
	0226 2 MAP SRC_DESC : REF BLOCK [8,BYTE]; 0227 2 SUB_DESC : REF BLOCK [8,BYTE];							
	RETURN STR\$POSITION (SRC_DESC [0,0,0,0], SUB_DESC [0,0,0,0], START_POS); END;  RETURN STR\$POSITION (SRC_DESC [0,0,0,0], SUB_DESC [0,0,0,0], START_POS); END;							
	.TITLE BAS\$POS .IDENT \1-005\							
	.EXTRN STR\$POSITION							
	.PSECT _BAS\$CODE,NOWRT, SHR, PIC,2							
	0000 00000							
	00000000G 00							
	. VESO							

BASSPOS 1-005 ; Routine Size: 17 bytes, Routine Base: \_BAS\$CODE + 0000 139 140 141 142 !End of module PSECT SUMMARY Bytes Attributes Name \_BAS\$CODE 17 NOVEC, NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC, ALIGN(2) COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:BASPOS/OBJ=OBJ\$:BASPOS MSRC\$:BASPOS/UPDATE=(ENH\$:BASPOS) Size: 17 code + 0 data bytes
Run Time: 00:01.7
Elapsed Time: 00:03.8
Lines/CPU Min: 8407
Lexemes/CPU-Min: 23353
Memory Used: 19 pages : Size: : Run Ti

: Lexemes/CPU-Min: 2335 : Memory Used: 19 page : Compilation Complete

0029 AH-BT13A-SE

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